

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5592717".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/24 09:25
S1	2	("4828424" "6382869").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 08:49
S2	28	("1709344"   "1765906"   "2735202"   "3783558"   "4152871"   "4354771"   "4490068"   "4572080"   "4574523"   "4627763"   "4630395"   "4752152").PN. OR ("4828424").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 10:06
S3	1	buckley-nigel.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 10:06
S4	1	deed-paul-morris.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 10:07
S5	1	macher-zeliko.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 10:11
S6	1175	404/6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 11:48
S7	8408	(absorb\$4 near3 (impact\$3 or energy)) with (vehicle or road\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:56
S8	326	(S6 and S7) not (S1 or S2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 10:14
S9	0	("2006/0099030").URPN.	USPAT	OR	ON	2007/07/23 10:29
S10	2	("2002/0090260").URPN.	USPAT	OR	ON	2007/07/23 11:14
S11	2	("2002/0090260").URPN.	USPAT	OR	ON	2007/07/23 11:14
S12	528	404/10.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 11:48
S13	26	(S7 and S12) not (S1 or S2 or S8 or S10 or S11)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 11:51
S14	1334	256/13.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 11:51
S15	133	(S7 and S14) not (S1 or S2 or S8 or S10 or S11 or S13)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:20

## EAST Search History

S16	617	49/49.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:21
S17	6	(S7 and S16) not (S1 or S2 or S8 or S10 or S11 or S13 or S15)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:26
S18	330	49/34.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:26
S19	1	(S18 and S7) not (S1 or S2 or S8 or S10 or S11 or S13 or S15 or S17)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:28
S20	831	404/6.ccls. not (S1 or S2 or S8 or S10 or S11 or S13 or S15 or S17 or S19)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:51
S21	397	404/10.ccls. not (S1 or S2 or S8 or S10 or S11 or S13 or S15 or S17 or S19 or S20)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:04
S22	5	(absorb\$4 near3 (impact\$3 or energy)) with (vehicle or road\$3) with terror\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:57
S23	7	(absorb\$4 near3 (impact\$3 or energy)) with (vehicle or road\$3) with rivet	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:58
S24	9	(barrier or barricade) with (vehicle or road\$3) with rivet	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:59
S25	1	(barrier or barricade) with (vehicle or road\$3) with (fastener or pin or bolt) with terror\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 12:59
S26	239	(barrier or barricade) with (vehicle or road\$3) with (fastener or pin or bolt)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:00
S27	139	((barrier or barricade) with (vehicle or road\$3) with (fastener or pin or bolt)) not (S1 or S2 or S8 or S10 or S11 or S13 or S15 or S17 or S19 or S20 or S21)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:01
S28	777	256/13.1.ccls. not (S1 or S2 or S8 or S10 or S11 or S13 or S15 or S17 or S19 or S20 or S21 or S22 or S23 or S24 or S25 or S26 or S27)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:20
S29	470	49/49.ccls. not (S1 or S2 or S8 or S10 or S11 or S13 or S15 or S17 or S19 or S20 or S21 or S22 or S23 or S24 or S25 or S26 or S27 or S28)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:28

## EAST Search History

S30	299	49/34.ccls. not (S1 or S2 or S8 or S10 or S11 or S13 or S15 or S17 or S19 or S20 or S21 or S22 or S23 or S24 or S25 or S26 or S27 or S28 or S29)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:32
S31	1981	((absorb\$4 near3 (impact\$3 or energy)) with (vehicle or road\$3)) not us.pc.	FPRS; EPO; JPO	OR	ON	2007/07/23 13:33
S32	0	((barrier or barricade) with (vehicle or road\$3) with rivet) not us.pc.	FPRS; EPO; JPO	OR	ON	2007/07/23 13:33
S33	8	((barrier or barricade) with (vehicle or road\$3) with pin) not us.pc.	FPRS; EPO; JPO	OR	ON	2007/07/23 13:35
S34	1	"4822207".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:35
S35	0	2002/0109131.pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:36
S36	85716	smith.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:36
S37	4163	smith.in. and barrier	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:40
S38	7	"109131".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:42
S39	1	"109131".apn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:40
S40	4163	smith.in. and barrier and ad>"20020814"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:41
S41	4163	smith.in. and barrier and ad="20020815"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:42
S42	0	"0109131".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:43
S43	0	"2002109131".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:43
S44	2	"2675197".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 13:43

## EAST Search History

S45	5	("7037028" "6789979" "5547310" "5181794" "4759606" A).pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/23 15:55
-----	---	--	------------------------------	----	----	------------------